

558, 274

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
2 December 2004 (02.12.2004)

PCT

(10) International Publication Number
WO 2004/103319 A1

(51) International Patent Classification⁷: **A61K 6/08**,
A61C 13/00

(21) International Application Number:
PCT/FI2004/000309

(22) International Filing Date: 21 May 2004 (21.05.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
20030780 23 May 2003 (23.05.2003) FI

(71) Applicant (for all designated States except US): **STICK
TECH OY** [FI/FI]; P.O. Box 114, FI-20521 Turku (FI).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **VALLITTU, Pekka** [FI/FI]; Kylläisentie 23, FI-21620 Kuusisto (FI). **YLI-URPO, Antti** [FI/FI]; Värttinäkatu 17, FI-20660 Littoinen (FI). **LASSILA, Lippo** [FI/FI]; Brattnäsvägen 183, FI-21630 Lielax (FI). **NÄRHI, Timo** [FI/FI]; Pyhän Laurin tie 5B, FI-00340 Helsinki (FI). **WALTIMO, Tuomas** [FI/FI]; Itäinen Rantakatu 64 A 42, FI-20100 Turku (FI).

(74) Agent: **TURUN PATENTTITOIMISTO OY**; P.O. Box 99, FI-20521 Turku (FI).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

— as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: A PREPREG AND ITS USE

(57) Abstract: The invention relates to a prepreg comprising a base part, said base part comprising fibers and a matrix, said matrix being at least partially uncured. The prepreg is characterized in that it further comprises a surface part consisting essentially of bioactive filler material, said bioactive filler material being in particle form and at least partially and at most partially embedded in said base part. The invention also relates to a composite obtainable by curing said prepreg. The invention further relates to a mineralizing sheet for treatment of hypersensitive teeth and to the use of said prepreg and composite.

WO 2004/103319 A1